

Amendments to the Claims

The following listing of claims replaces all prior versions of the claims and all prior listings of the claims in the present application.

Claims 1-24 (canceled)

Claim 25 (previously presented): A system for checking at least one status parameter of a tyre for a motor vehicle, comprising:

at least one wheel comprising a tyre mounted on a rim;

an inner tube inserted into a cavity defined between the tyre and the rim;

a first device for measuring the at least one status parameter associated with the at least one wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery;

a third device for receiving the signal; and

a fourth device for sensing movement of the at least one wheel and for enabling energization of the second device when the at least one wheel is moving;

wherein the first device, the second device, and the fourth device are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the at least one wheel.

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Claim 26 (previously presented): The system of claim 25, wherein the fourth device is an acceleration switch.

Claim 27 (previously presented): The system of claim 25, wherein the container is inserted into a bushing fixed in the wall of the inner tube.

Claim 28 (previously presented): The system of claim 25, wherein the first device comprises a pressure sensor.

Claim 29 (previously presented): The system of claim 25, wherein the first device comprises a temperature sensor.

Claim 30 (previously presented): The system of claim 25, wherein the second device further comprises a fifth device for measuring a voltage of the power-supply battery, and wherein the second device transmits a value of the measured voltage using a radio-frequency signal.

Claim 31 (previously presented): The system of claim 25, further comprising a sixth device for displaying the signal.

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Claim 32 (previously presented): The system of claim 25, wherein the inner tube comprises at least two compartments separate from each other and each provided with a first device.

Claim 33 (previously presented): A wheel for vehicles, comprising:

- a tyre mounted on a rim;
- an inner tube inserted into a cavity defined between the tyre and the rim;
- a first device for measuring at least one status parameter of the tyre associated with the wheel;
- a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery; and
- a third device for sensing movement of the wheel and for enabling energization of the second device when the wheel is moving;

wherein the first device, the second device, and the third device are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the wheel.

Claim 34 (previously presented): The wheel of claim 33, wherein the third device is an acceleration switch.

Claim 35 (previously presented): The wheel of claim 33, wherein the first device comprises a pressure sensor.

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Claim 36 (previously presented): The wheel of claim 33, wherein the first device comprises a temperature sensor.

Claim 37 (previously presented): A wheel for vehicles, comprising:

- a tyre mounted on a rim;
- a first device for measuring at least one status parameter of the tyre associated with the wheel;
- a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery;
- a third device for sensing movement of the wheel, designed to connect the battery to the second device when the wheel is moving;
- wherein the first device, the second device, and the third device are housed in a container, and
- wherein the container is inserted into the rim from an outside of the rim by screwing the container into a threaded bushing.

Claim 38 (previously presented): The wheel of claim 37, wherein the third device is an acceleration switch.

Claim 39 (previously presented): The wheel of claim 37, wherein the first device comprises a pressure sensor.

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Claim 40 (previously presented): The wheel of claim 37, wherein the first device comprises a temperature sensor.

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